

PERFORMANCE SPECIFICATIONS AND REQUIREMENTS

Objectives

Phase I- Fabricate three (3) tubes for inspection and First Article Testing per the provided technical drawings.

Phase II- Upon successful completion of First Article Testing, fabricate 250 tubes per technical drawings and deliver to Pine Bluff Arsenal.

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Design Requirements

Configuration: Each tube must meet the dimensional, material, and test requirements per the SBCCOM-RI technical drawing S727004.

Performance: Each tube must pass First Article performance testing as designated by SBCCOM-RI. Performance will be validated on the first three prototypes by SBCCOM-RI.

Statement of Work

General: The contractor shall furnish the necessary services, labor, personnel, facilities, supplies, materials, and equipment (including fabrication machinery and quality assurance measurement devices) to perform the following manufacturing work.

Specific: Phase I: Fabricate Three (3) Tubes for First Article Testing.

Contractor will complete the three First Article items within 30 days of the contract award. Careful attention must be paid to achieving roundness of tubes and welds that are free of defects. Each tube will be weld inspected and either electric eddy current tested per A513 Section S8 or magnetic particle tested per ASTM E 1444-94a for weld defects. If tubes pass inspection they will be delivered to Pine Bluff Arsenal at the address listed in section 4 of the Phase II requirements section. If not, contractor will repair or replace tubes entirely at their own expense. First Article testing will consist of a helium leak test by the government and will be completed within 35 days of receipt of FAT items at Pine Bluff Arsenal. Weld certification documents and radiographs will be delivered to Rock Island Arsenal at the address listed in Section 3 of the Phase II requirements section.

Specific: Phase II: Manufacturing, Production, and Quality Assurance

1. The contractor shall, following successful First Article Test completion, commence production of 250 tubes for the 7x27 SRC program according to SBCCOM-RI engineering drawing S727004.

2. The contractor shall serialize each tube by marking in 1 inch high lettering using designated serial numbers 001-253 so each tube can be identified.
3. The contractor shall have 100% of items inspected for weld defects, and will not deliver any tubes unless inspections are completed successfully. Contractor will produce weld inspection certification documents for each item and send them to Attn: 7x27 SRC Program AMSSB-RSO-SDM Bldg 62 Rock Island Arsenal, Rock Island Illinois 61299. If quality inspections show that the items do not meet the requirements of the technical drawings, then the contractor will agree to rework those items until they meet specifications or replace the items entirely at the contractor's own expense.
4. The contractor shall deliver FOB destination no later than 120 days after the contract is awarded, the 250 tubes to Pine Bluff Arsenal at the following address:

7x27 Single Round Container Project
ATTN: Herman Vaughn (x3260)
PBA Shipping and Receiving, Bldg. 23-330
Pine Bluff, Arkansas
71602